#### **Color values in animation films**

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### Abstract:

Color in art is used for several purposes, mainly to strengthen and highlight interest, direct and focus attention, and confirm rhythm. In animated films, color moves through the juxtaposition and sequence of shots. The animator can skillfully and intelligently harness color to achieve the flow of events when telling the story, and for the artist to be creative in This field, he should have a strong sense in choosing the color that the viewer sees. When we pick color variables related to the emotional and symbolic value, they will achieve a dramatic surprise. Color plays an essential role in reflecting feelings, so it uses through the color of the character, clothes, background, and the general atmosphere of the scene to increase the impact and emphasize the meaning to the recipient.

Brightness and saturation play a role in setting the general mood of the scene, as the color value and its saturation affect the intensity and purity of it, so color becomes purer if saturation is high. It becomes paler if saturation is low. Filmmakers use several color methods to create distinctive scenes. For example, a Monochromatic scene uses gradation Monochrome of one color, Analogous colors, which are adjacent in the color circle, and complementary colors, such as red with green.

### Keywords:

Color properties, The symbolic meaning of color, Color theories.

## References:

- 1- Agoston, G. A. (2013). Color theory and its application in art and design (Vol. 19). Springer.
- 2- Bleicher, S. (2023). Contemporary color: Theory and use Routledge.
- 3- Kennedy, A. J. (2014). The effect of color on emotions in animated films (Doctoral dissertation, Purdue University).
- 4- Liu, X. (2022). Animation Special Effects Production Method and Art Color Research Based on Visual Communication Design. Scientific Programming, 2022.
- 5- Pastoureau, M. (2017). Red: the history of a color. Princeton University Press.
- 6- Patricia Lambert (1991). "controlling color, McGraw-hill, Inc, First Edition, P27.
- 7- Sun Dong, Yang Fan (2016). Research on the application of color in the design of different types of animation scenes, (11):43.
- 8- Wu, Y. The Application of Subjective and Objective Color in 3D Animation Scene Design.
- 9- Xu, C. (2023). Immersive animation scene design in animation language under virtual reality. SN Applied Sciences, 5(1), 42.
- 10- Abdel Halim Fath al-Bab, (1948), "Design in Artistic Formation," Alam al-Kutub, Cairo, p. 27.
- 11- Adel Abdel Rahman, (2007), "Theories of Light and Colors," first edition, Dar Al-Haramain, Cairo, p. 46.
- 12- Ali Mahmoud Nasra, M, Muhammad, (2022), "Color groups compatible with the color circle as an investigator of one of the aesthetic phenomena in design (a contemporary analytical study in Johannes Aten's color theory)," Scientific Journal of the Amsia Association Education through Art, 8. (31), 598-613.
- 13- Al-Kindi, Tahiya bint Hamad bin Ali, (2012), "The Four-Color Theory."
- 14- Hamdi Al-Rifai Abu Al-Diyar, H., Hamdi, Abdel-Moati Abdel-Al, Mustafa, Lotfy Bakr, Mahmoud. (2013), "Light, color, and shape as an introduction to teaching painting to secondary school students," Journal of Specific Education Research, 2013 (32), 278-298.
- 15- Ibrahim Abdel Hamid, (1995), "An Introduction to Teaching Color in Decorative Designs Through Modern Theories," unpublished doctoral thesis, Faculty of Specific Education, Cairo University, Dokki, p. 27.
- 16- Ismail Shawqi, (2010), "Design (Its Elements and Foundations in Plastic Art)," Dar Al-Kutub Al-Arabiyya, third edition, p. 102.
- 17- Jihan Fawzi Ahmed Abdel Razzaq, (2001), "The symbolic connotations of color and its functional importance in contemporary decorative designs," doctoral dissertation, unpublished, Faculty of Art Education, Helwan University, p. 155
- 18- Muhammad Binhan Sweilem, (1984), "Photography and Life," The World of Knowledge, National Council for Arts and Letters, Kuwait, p. 15.
- 19- Saeed Darwish, (2013), "Symbol and Symbolism in Fine Art" Damascus University Journal of Engineering Sciences, Volume 29, Issue One.
- 20- Yahya Hamouda, (1981), "Color Theory," Dar Al-Maaref, p. 11.

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